

IN THE CLAIMS:

The claims are as follows:

1. (Currently Amended) A neural transplantation device for use with a syringe (3), including a syringe barrel (7) and plunger (12), said device comprising:
- a microinjector (1) adapted for connection to a proximal end of a syringe barrel (7) and in cooperation with the syringe plunger (12) for effecting incremental depression of the plunger (12) to result in a metered delivery of the contents of the syringe barrel (7); and
 - a cannula (2) adapted for connection to a distal end of the syringe barrel (7), said cannula (2) having a single passageway with an open upper end and a lower end defining a blunt closed tip (14) and having a pair of side port holes (15A),(15B) that are diametrically opposed and slightly longitudinally offset to each other near the vicinity of the cannula tip (14);

whereby the microinjector and cannula are adapted for interconnection with the syringe in a configuration which facilitates sequential delivery of multiple portions of the contents of the syringe along a single trajectory in a three dimensional spiral array at a predetermined neural injection site.

2. (Previously Presented) A neural transplantation device for use with a syringe (3), including a syringe barrel (7) and plunger (12), said device comprising:
- a cannula (2) adapted for connection to a distal end of the syringe barrel (7), said cannula (2) having a single passageway with an open upper end and a lower end defining a blunt closed tip (14) and having a pair of side port holes (15A),(15B) that are diametrically opposed and slightly

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